



#7

Sequence Listing

<110> Symbiotec Gesellschaft zur Erforschung und Entwicklung

auf dem Gebiet der Biotechnologie mbH

<120> Peptides for the Production of Preparations

for the Diagnosis and Therapy of Autoimmune Diseases

<130> 3642

<140> US Serial Number 09/988,165

<141> 11/19/2001

<150> US Serial Number 07/946,180

<151> 09/16/1992

<160> 31

<210> 1

<211> 25

<212> PRT

<213> human

<400> 1

Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala  
1 5 10 15

Lys Pro Lys Lys Ala Ala Pro Lys Lys Lys  
20 25

<210> 2

<211> 25

<212> PRT

<213> human

<400> 2

Lys Pro Lys Ala Ala Lys Ala Arg Val Thr Lys Pro Lys Thr Ala  
1 5 10 15

Lys Pro Lys Lys Ala Ala Pro Lys Lys Lys  
20 25

<210> 3

<211> 25

<212> PRT

<213> human

<400> 3

Ala Ala Lys Ala Val Lys Pro Lys Ala Ala Lys Pro Lys Val Val

1            5            10            15

Lys Pro Lys Lys Ala Ala Pro Lys Lys Lys

20            25

<210> 4

<211> 25

<212> PRT

<213> human

<400> 4

Lys Pro Lys Ala Ala Lys Pro Lys Ser Gly Lys Pro Lys Val Thr

1            5            10            15

Lys Ala Lys Lys Ala Ala Pro Lys Lys Lys

20            25

<210> 5

<211> 25

<212> PRT

<213> human

<400> 5

Lys Pro Lys Ala Ala Lys Pro Lys Thr Ala Lys Pro Lys Ala Ala

1            5            10            15

Lys Pro Lys Ala Ala Ala Lys Lys Lys

20

25

<210> 6

<211> 25

<212> PRT

<213> human

<400> 6

Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala

1

5

10

15

Lys Ala Lys Lys Ala Ala Ala Lys Lys Lys

20

25

<210> 7

<211> 27

<212> PRT

<213> human

<400> 7

Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala

1

5

10

15

Lys Pro Lys Ala Lys Lys Ala Ala Ala Lys Lys Ala  
20 25

<210> 8

<211> 35

<212> PRT

<213> human

<400> 8

Pro Glu Pro Ala Lys Ser Ala Pro Ala Pro Lys Lys Gly Ser Lys  
1 5 10 15

Lys Ala Val Thr Lys Ala Gln Lys Lys Asp Gly Lys Lys Arg Lys  
20 25 30

Arg Ser Glu Lys Glu  
35

<210> 9

<211> 41

<212> PRT

<213> human

<400> 9

Ser Tyr Ser Val Tyr Val Tyr Lys Val Leu Lys Gln Val His Pro

1            5            10            15

Asp Thr Gly Ile Ser Ser Lys Ala Met Gly Ile Met Asn Ser Phe

20            25            30

Val Asn Asp Ile Phe Glu Arg Ile Ala Gly Glu

35            40

<210> 10

<211> 27

<212> PRT

<213> bovine

<400> 10

Ala Pro Ala Ala Pro Ala Ala Ala Pro Pro Ala Glu Lys Thr Pro

1            5            10            15

Val Lys Lys Lys Ala Ala Lys Lys Pro Ala Gly Ala

20            25

<210> 11

<211> 21

<212> PRT

<213> bovine

<400> 11

Arg Ser Gly Val Ser Leu Ala Ala Leu Lys Lys Ala Leu Ala Ala  
1 5 10 15

Ala Gly Tyr Asp Val Glu  
20

<210> 12

<211> 20

<212> PRT

<213> bovine

<400> 12

Thr Lys Gly Thr Gly Ala Ser Gly Ser Phe Lys Leu Asn Lys Lys  
1 5 10 15

Ala Ala Ser Gly Glu  
20

<210> 13

<211> 41

<212> PRT

<213> bovine

<400> 13

Lys Asn Asn Ser Arg Ile Lys Leu Gly Leu Lys Ser Leu Val Ser

1 5 10 15

Lys Gly Thr Leu Val Glu Thr Lys Gly Thr Gly Ala Ser Gly Ser

20 25 30

Phe Lys Leu Asn Lys Lys Ala Ala Ser Gly Glu

35 40

<210> 14

<211> 51

<212> PRT

<213> bovine

<400> 14

Ala Leu Ala Ala Ala Gly Tyr Asp Val Glu Lys Asn Asn Ser Arg

1 5 10 15

Ile Lys Leu Gly Leu Lys Ser Leu Val Ser Lys Gly Thr Leu Val

20 25 30

Glu Thr Lys Gly Thr Gly Ala Ser Gly Ser Phe Lys Leu Asn Lys

35 40 45

Lys Ala Ala Ser Gly Glu

50

<210> 15



<211> 62

<212> PRT

<213> bovine

<400> 15

Arg Ser Gly Val Ser Leu Ala Ala Leu Lys Lys Ala Leu Ala Ala

1 5 10 15

Ala Gly Tyr Asp Val Glu Lys Asn Asn Ser Arg Ile Lys Leu Gly

20 25 30

Leu Lys Ser Leu Val Ser Lys Gly Thr Leu Val Glu Thr Lys Gly

35 40 45

Thr Gly Ala Ser Gly Ser Phe Lys Leu Asn Lys Lys Ala Ala Ser

50 55 60

Gly Glu

<210> 16

<211> 25

<212> PRT

<213> bovine

<400> 16

Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala

1 5 10 15

Lys Pro Lys Lys Ala Lys Pro Lys Lys Lys  
20 25

<210> 17

<211> 35

<212> PRT

<213> bovine or human

<400> 17

Pro Glu Pro Ala Lys Ser Ala Pro Ala Pro Lys Lys Gly Ser Lys  
1 5 10 15

Lys Ala Val Thr Lys Ala Gln Lys Lys Asp Gly Lys Lys Arg Lys  
20 25 30

Arg Ser Glu Lys Glu  
35

<210> 18

<211> 41

<212> PRT

<213> bovine or human

<400> 18

Ser Tyr Ser Val Tyr Val Tyr Lys Val Leu Lys Gln Val His Pro

1 5 10 15

Asp Thr Gly Ile Ser Ser Lys Ala Met Gly Ile Met Asn Ser Phe

20 25 30

Val Asn Asp Ile Phe Glu Arg Ile Ala Gly Glu

35 40

<210> 19

<211> 17

<212> PRT

<213> bovine or human

<400> 19

Ala Ser Arg Leu Ala His Tyr Asn Lys Arg Ser Thr Ile Thr Ser

1 5 10 15

Arg Glu

<210> 20

<211> 12

<212> PRT

<213> bovine or human

<400> 20

Ile Gln Thr Ala Val Arg Leu Leu Leu Pro Gly Glu

1            5            10

<210> 21

<211> 8

<212> PRT

<213> bovine or human

<400> 21

Leu Ala Lys His Ala Val Ser Glu

1            5

<210> 22

<211> 22

<212> PRT

<213> bovine or human

<400> 22

Gly Thr Lys Ala Val Thr Lys Tyr Thr Ser Ser Lys

1            5            10

<210> 23

<211> 21

<212> PRT

<213> bovine or human

<400> 23

Pro Glu Pro Ala Lys Ser Ala Pro Ala Pro Lys Lys Gly Ser Lys

1            5            10            15

Lys Ala Val Thr Lys Ala

20

<210> 24

<211> 8

<212> PRT

<213> bovine or human

<400> 24

Ala Lys Ser Ala Pro Ala Pro Lys

1            5

<210> 25

<211> 22

<212> PRT

<213> bovine or human

<400> 25

Ser Gly Arg Gly Lys Gln Gly Gly Lys Ala Arg Ala Lys Ala Lys  
1 5 10 15

Thr Arg Ser Ser Arg Ala Gly  
20

<210> 26

<211> 129

<212> PRT

<213> bovine or human

<400> 26

Ser Gly Arg Gly Lys Gln Gly Gly Lys Ala Arg Ala Lys Ala Lys  
1 5 10 15

Thr Arg Ser Ser Arg Ala Gly Leu Gln Phe Pro Val Gly Arg Val  
20 25 30

His Arg Leu Leu Arg Lys Gly Asn Tyr Ala Glu Arg Val Gly Ala  
35 40 45

Gly Ala Pro Val Tyr Leu Ala Ala Val Leu Glu Tyr Leu Thr Ala  
50 55 60

Glu Leu Leu Glu Leu Ala Gly Asn Ala Ala Arg Asp Asn Lys Lys

65 70 75

Thr Arg Ile Ile Pro Arg His Leu Gln Leu Ala Ile Arg Asn Asp

80 85 90

Glu Glu Leu Asn Lys Leu Leu Gly Lys Val Thr Ile Ala Gln Gly

95 100 105

Gly Val Leu Pro Asn Ile Gln Ala Val Leu Leu Pro Lys Lys Thr

110 115 120

Glu Ser His His Lys Ala Lys Gly Lys

125

<210> 27

<211> 5

<212> PRT

<213> mammalian

<400> 27

Lys Pro Lys Ala Ala

1 5

<210> 28

<211> 5

<212> PRT

<213> mammalian

<400> 28

Lys Pro Lys Lys Ala  
1 5

<210> 29

<211> 5

<212> PRT

<213> mammalian

<400> 29

Lys Ala Lys Lys Ala  
1 5

<210> 30

<211> 5

<212> PRT

<213> mammalian

<400> 30

Ala Pro Lys Lys Lys  
1 5



<210> 31

<211> 5

<212> PRT

<213> mammalian

<400> 31

Ala Ala Lys Lys Ala

1 5